



Federal Geographic Data Committee Marine and Coastal Spatial Data Subcommittee

Draft Meeting Minutes July 24, 2002

The Federal Geographic Data Committee (FGDC) Marine and Coastal Spatial Data subcommittee met at NOAA headquarters in Silver Spring, MD on July 24, 2002. An agenda is included at the end of the minutes. In addition, a list of the items that were distributed during the meeting is included at the end of the minutes.

Individuals who wish to request copies of these items should contact David Stein at Dave.Stein@noaa.gov.

Highlights

Anne Miglarese, chair of the subcommittee, called the meeting to order. The last meeting was held on October 10, 2001 at the Department of Commerce in Washington, D.C. Anne proceeded to give an overview of the subcommittee, its recent accomplishments, and where it fits within the FGDC framework. Below is the status of the action items from last meeting:

- Develop 2002 work plan. Status: complete and available on our Web site.
- Continue to move subcommittee-sponsored standards through the FGDC process. Status: in progress.

A membership list was distributed during the meeting. Subcommittee members were urged to take some time to review the list for accuracy. Members not present at the meeting are also encouraged to help bring the membership list up to date.

Agenda Items

1. **National Imagery and Mapping Agency (NIMA) briefing on marine and coastal geospatial data activities. Admiral Chris Andreasen, NIMA**

Advanced Research & Development Division, InnoVision Directorate.

Admiral Andreasen briefed the group on a number of NIMA's marine and coastal geospatial data activities, including electronic charting and the digital nautical chart (DNC), deployment of Navy-wide electronic chart display and information systems (ECDIS), tactical ocean data, littoral warfare data, and NIMA data formatting among other items. This briefing can be downloaded from the subcommittee's Web site under "Presentations."

2. E-Gov Geospatial One-Stop, overview and subcommittee coordination.

David Stein, NOAA Coastal Services Center (CSC); Jerry Mills, NOAA Office of Coast Survey (OCS); Jon Bailey, NOAA National Geodetic Survey (NGS). David Stein gave an overview of Geospatial One-Stop. The Geospatial One-Stop is a part of the new Office of Management and Budget E-Government initiative to improve the effectiveness, efficiency, and customer service throughout the federal government. The strategy, adopted by the President's Management Council (PMC) in October 2001, implements the "Expanding Electronic Government" reform outlined in the President's Management Agenda. Geospatial One-Stop will revolutionize e-government by providing a geographic component for use in all Internet based e-government activities across local, state, tribal and federal government. The implementation of the Geospatial One-Stop will: provide standards and models for the geospatial framework data content; provide an interactive index to geospatial data holdings at the federal and non-federal levels; initiate interaction between federal, state, and local agencies about existing and planned spatial data collections; and provide online access to geospatial data. The Marine and Coastal Spatial Data subcommittee's role will be to assist in the coordination of the initiative and ensure that the data sets under our purview (bathymetry, shoreline, and marine boundaries) are adequately addressed in the process.

Jon Bailey updated the subcommittee on how the shoreline is progressing within the context of Geospatial One-Stop. Since the shoreline is technically part of the Hydrography National Spatial Data Infrastructure (NSDI) theme led by Bob Pierce from United States Geological Survey (USGS) and the Spatial Water Data subcommittee, the question still remains about which subcommittee will lead this effort. Jon feels like the standard should be developed under the Marine and Coastal Spatial Data Subcommittee and will contact Bob Pierce to confirm.

David Stein updated the subcommittee on how marine boundaries fit within the context of Geospatial One-Stop. The offshore cadastre, including marine boundaries, has been added to the new version of A-16 as a framework data set under the cadastral theme. Members of the Marine Boundary Working Group (MBWG) will be working with the Cadastral subcommittee to include the offshore cadastre and marine boundaries in the cadastral data content standard.

Jerry Mills updated the subcommittee on how bathymetry fits within the context of Geospatial One-Stop. Bathymetry is a sub-theme of elevation and should be included in any type of elevation data content standard. Jerry indicated that he has been coordinating with the National Digital Elevation

Program regarding bathymetry.

3. **National Ocean Service (NOS) Enterprise GIS Project. Dan Farrow, NOAA Special Projects Office (SPO).** Dan Farrow briefed the group on efforts underway to develop an enterprise GIS for the NOAA National Ocean Service. The NOS Enterprise Spatial Information System will develop a unified and coordinated enterprise approach to spatial information management, utilization and access across NOS. Using this approach to spatial information systems (GIS, remote sensing, Internet-based applications, and others) ensures that the power of diverse data is harnessed and makes it possible for internal and external users to benefit from NOS spatial data efforts. This briefing can be downloaded from the subcommittee's Web site under "Presentations."
4. **Coastal Mapping and Charting Study. David Feary, National Academy of Sciences, Ocean Studies Board.** David Feary gave a briefing on the Coastal Mapping and Charting Study being conducted by the Oceans Study Board and the Mapping Science Committee. The study will identify and suggest mechanisms for addressing national needs for spatial information in the coastal zone. By examining the major spatial information requirements of federal agencies, as well as the principal user groups they support (e.g., state and local coastal managers, urban planners, resource managers, maritime industry), the committee will identify high priority needs, evaluate the potential for meeting these needs based on the current level of effort, and suggest steps to increase collaboration and ensure that the nation's need for spatial information in the coastal zone is met in an efficient and timely manner. Specific results of the study could not be discussed at this point. The timeline of the project is as follows: interim findings, October 2002; prepublication, August 2003; final publication, October 2003.

5. Member Activity Updates.

- **Article 76.** Jerry Mills (NOAA OCS) gave an overview of Article 76. Article 76 of the United Nations Convention on the Law of the Sea defines the legal continental shelf and outlines methods to establish its outer limits where the shelf extends beyond the 200-mile limit. Refer to the Article 76 summary that was distributed with the meeting minutes.
- **FGDC Marine Boundaries Working Group (MBWG).** David Stein (NOAA CSC) gave an overview of the MBWG. The MBWG, chaired by Cindy Fowler (NOAA CSC) and Lee Thormahlen, Minerals Management Service (MMS), was born out of the need to address the technical issues surrounding the development of digital maritime boundaries. The objectives of the working group are to foster integrated approaches to legal and spatial descriptions of marine boundaries, maximize public resources, and develop standardized methodologies to produce more complete and usable marine boundary data. Accomplishments to date have been the development of a Web site and outreach materials. The Web site can be found at <http://www.csc.noaa.gov/mbwg/>.
- **Standards.** Jerry Mills gave an update on the *Geopsatial Positioning*

Accuracy Standard, Part 5: Standard for Hydrographic Surveys and Nautical Charts. This standard has been delayed due to some last minute concerns over language referring to metadata. The standard states that metadata *should* be developed using FGDC standards. A reviewer pointed out that all federally developed data *must* be documented using the FGDC metadata standard. The OCS is exploring what needs to be done to address this issue.

- **Electronic Navigational Charts (ENCs).** Mike Brown updated the subcommittee on the status of the OCS ENCs. Currently, there are 201 cells (ENCs) available at <http://chartmaker.ncd.noaa.gov/mcd/enc/index.htm>. The NOAA Coastal Services Center has developed an extension that converts, symbolizes, and displays ENCs in the ESRI ArcView environment. The extension can be downloaded at <http://www.csc.noaa.gov/products/enc/>.

Action Items

1. Update membership list.
2. Participate in the Geospatial One-Stop project.
3. Make progress with moving The Hydrography Data Content Standard for Inland and Coastal Waterways and Geospatial Positioning Accuracy Standard, Part 5: Standard for Hydrographic Surveys and Nautical Charts through the FGDC process.

Items Distributed at Meeting

1. Agenda
2. Membership list
3. Geospatial One-Stop call for participation

Attendees

Name	Agency	email
Anne Hale Miglarese	NOAA Coastal Services Center	Anne.Migliarese@noaa.gov
Sam DeBow	NOAA Coast Survey	Sam.Debow@noaa.gov
Chris Andreasen	NIMA	andreasenc@nima.mil
Peter Gross	NOAA SPO	Peter.Gross@noaa.gov
Jon Bailey	NOAA NGS	Jon.Bailey@noaa.gov
Jerry Mills	NOAA Coast Survey	Jerry.Mills@noaa.gov
David Stein	NOAA Coastal Services Center	Dave.Stein@noaa.gov
Robert Johnson	MMS Marine Boundaries Branch	Robert.E.Johnson@mms.gov

Jim Brand	NAVOCEANO	Brandj@navo.navy.mil
Roger Johnson	NOAA Coast Survey	Roger.Johnson@noaa.gov
Mike Brown	NOAA Coast Survey	Mike.brown@noaa.gov
David Feary	NRC-BESR	Dfreary@nas.edu
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Megan Trem	NOAA CSC	Megan.Treml@noaa.gov
Kim Owens	NOAA NOS	Kimberly.Owens@noaa.gov
Robby Wilson	NOAA Coast Survey	Robert.Wilson@noaa.gov
Don Statter	NAVIAR 4.5.5	statterdr@navair.navy.mil
Rex Buckley	NIMA PST	buckleyr@nima.mil

Agenda

Federal Geographic Data Committee

Marine and Coastal Spatial Data Subcommittee Meeting

Wednesday, July 24, 2002

9:00am -1:00pm

NOAA SSMC3 7836

9:00 Welcome and introductions - Anne Miglarese, NOAA CSC

- Review of meeting minutes from Oct. 10 meeting
- 2002 work plan
- Recent FGDC activities
- Membership update

9:30 NIMA's marine and coastal geospatial data activities - Chris Andreasen, NIMA

10:00 E-Gov Geospatial One-Stop, overview and subcommittee coordination

- Bathymetry - Jerry Mills, NOAA OCS
- Marine Boundaries - Cindy Fowler, NOAA CSC
- Shoreline - Jon Bailey, NOAA NGS

10:45 Break

11:00 National Ocean Service (NOS) Enterprise GIS - Dan Farrow, NOAA SPO

11:30 Ocean Studies Board Coastal Mapping Study update - David Feary, NAS/OSB

12:00 Short updates on various projects

- ENC status, Army Corps and NOAA
- Article 76 of the UNCLOS
- Marine Boundary Working Group
- Subcommittee standards
- Other activities

12:30 Action items and next meeting

1:00 Meeting adjourned

Submitted by

David Stein, NOAA Coastal Services Center
FGDC Marine and Coastal Spatial Data Subcommittee Executive Secretary